

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---------------------------|------------------|---------|------------------|
| L3 | 9 | ("4618212" "4996420" "5134671" "5245690" "5309469" "5414554" "5608572" "6052222" "6243525").PN. OR ("6556344").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 13:28 |
| L4 | 4 | ("4954786").PN. OR ("5309469").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 13:30 |
| L5 | 3 | (lee.in. or oh.in. or hwang.in.) and horizontal.clm. and substrate.clm. and 'semiconductor optical amplifier'.clm. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/05 13:38 |
| L6 | 1 | "20050041280" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/05 13:54 |
| L7 | 16 | ("4162460" "4736164" "4886334" "4947134").PN. OR ("5414554").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 14:17 |
| L8 | 14 | ("3761837" "3949315" "4057321").PN. OR ("4162460").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/05 14:26 |
| L9 | 12 | ("5414554").URPN. | USPAT | OR | ON | 2005/12/05 14:27 |
| S1 | 397 | (359/344).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/02 12:18 |
| S2 | 340 | S1 and @ad<"20030820" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/02 12:19 |
| S3 | 136 | S2 and (photodetector or photodiode or detector) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/02 12:32 |
| S4 | 0 | S3 and 'detector integrated on substrate' | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/02 12:32 |
| S5 | 0 | S3 and 'photodiode integrated on substrate' | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/02 12:32 |
| S6 | 27 | S3 and ((photodiode or photodetector or detector) same substrate) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/12/02 12:32 |